

# FIG.1

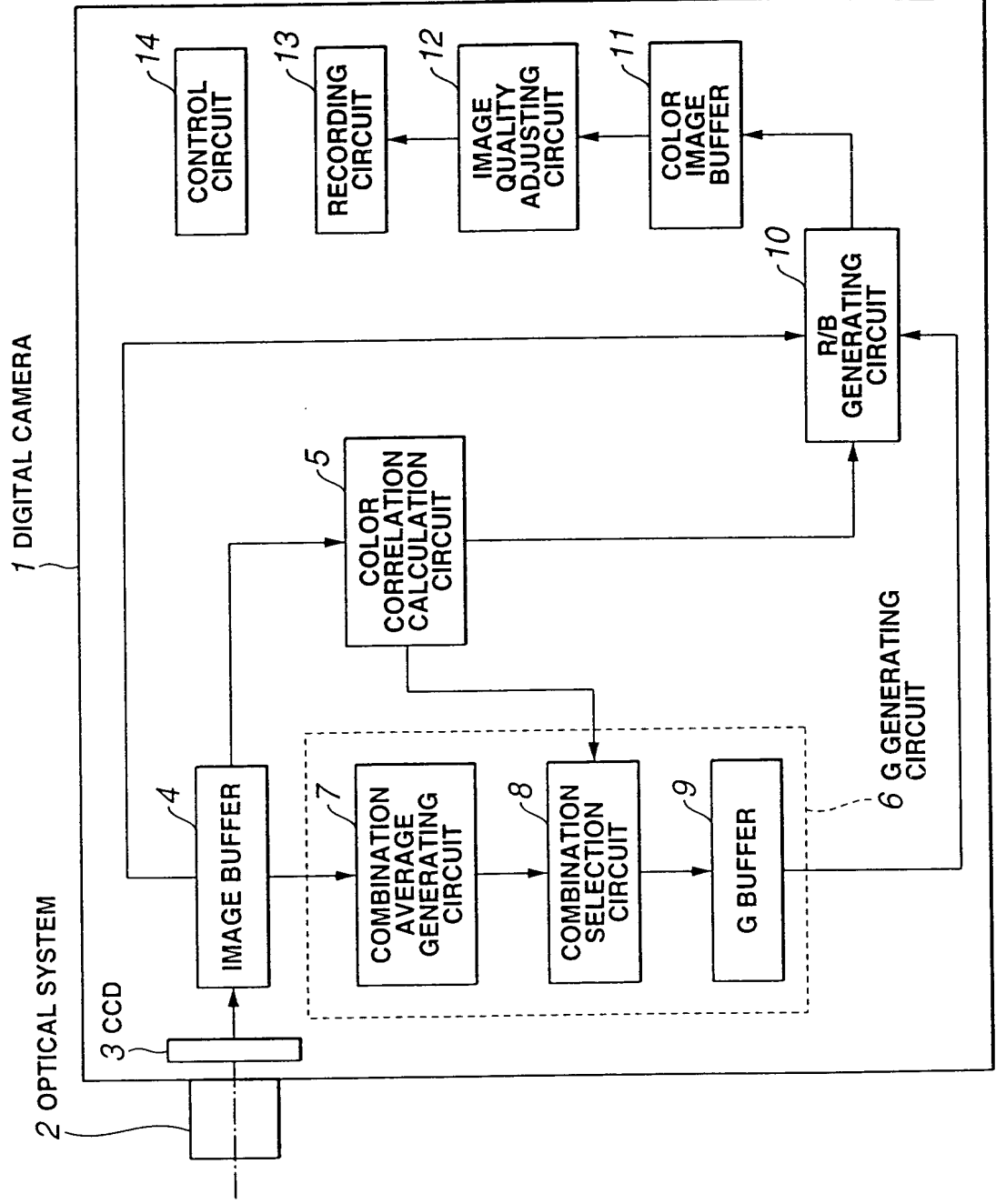
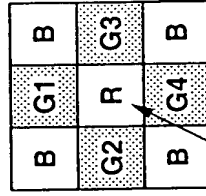


FIG.2A



PIXEL OF INTEREST X

$$V1 = \frac{G1 + G4}{2}, \quad d1 = |G1 - G4|$$

$$V2 = \frac{G2 + G3}{2}, \quad d2 = |G2 - G3|$$

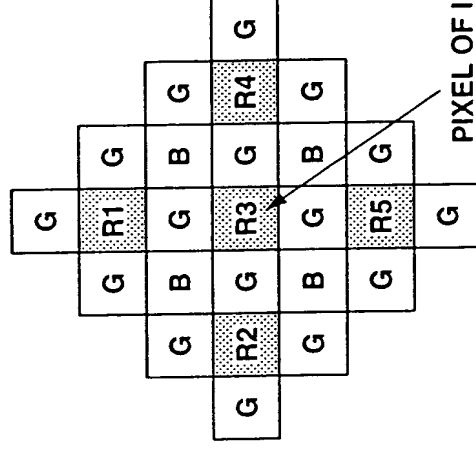
$$V3 = \frac{G1 + G2}{2},$$

$$V4 = \frac{G3 + G4}{2},$$

$$V5 = \frac{G1 + G3}{2},$$

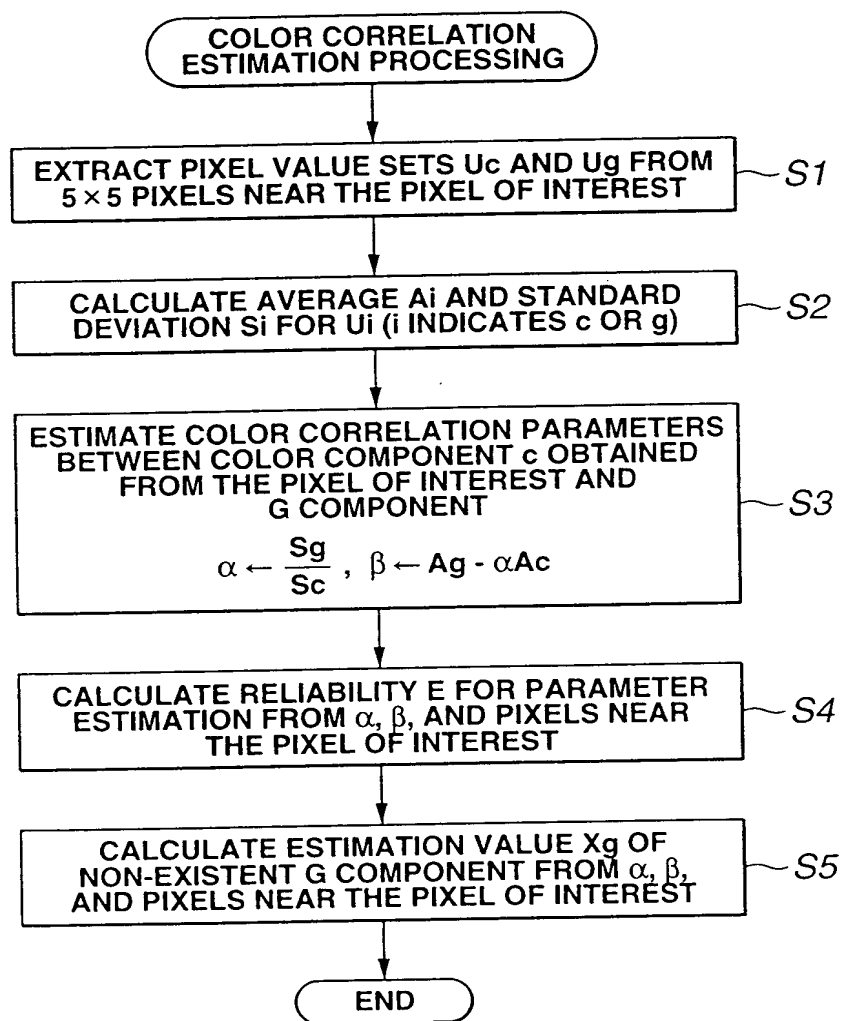
$$V6 = \frac{G2 + G4}{2},$$

FIG.2B



PIXEL OF INTEREST X

# FIG.3



**FIG.4**

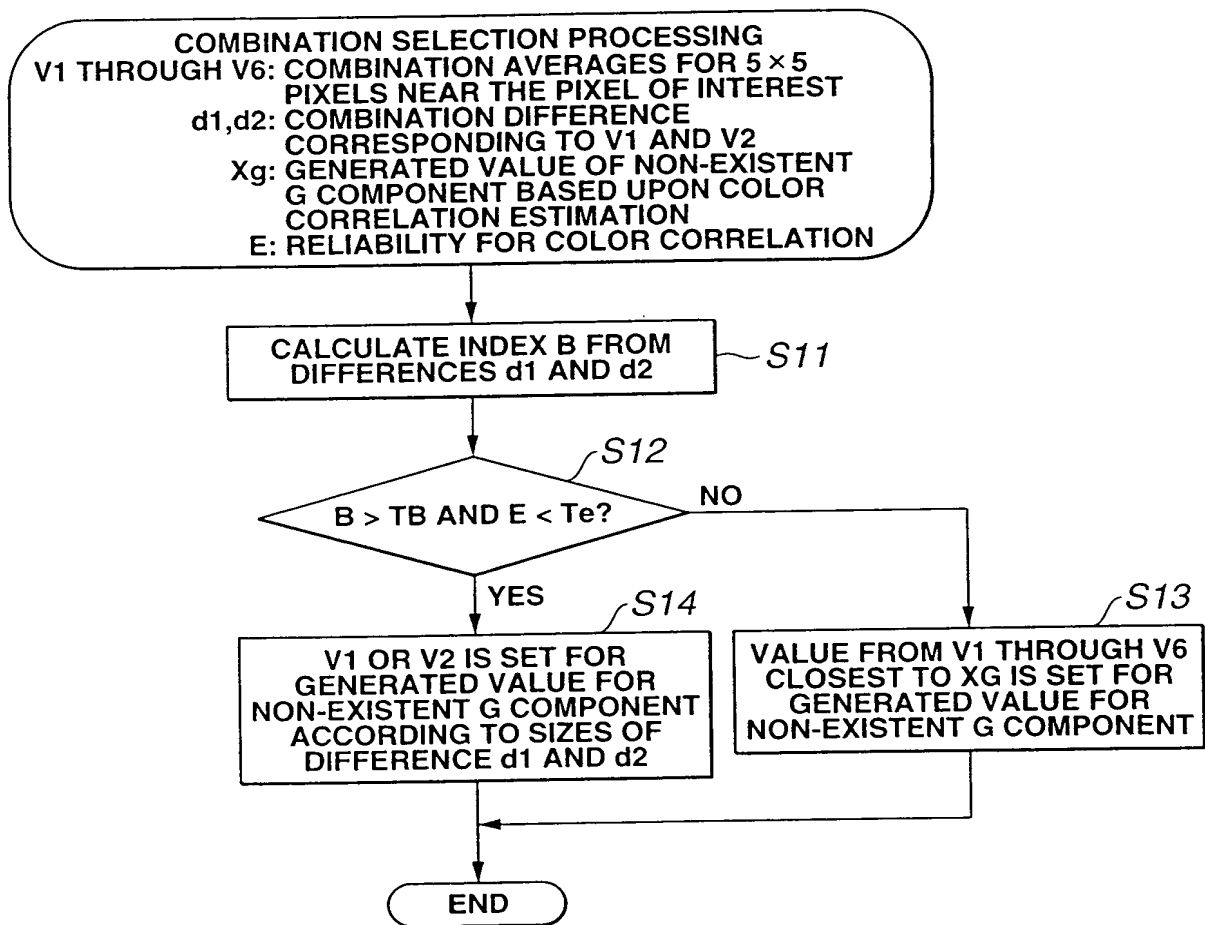


FIG.5B

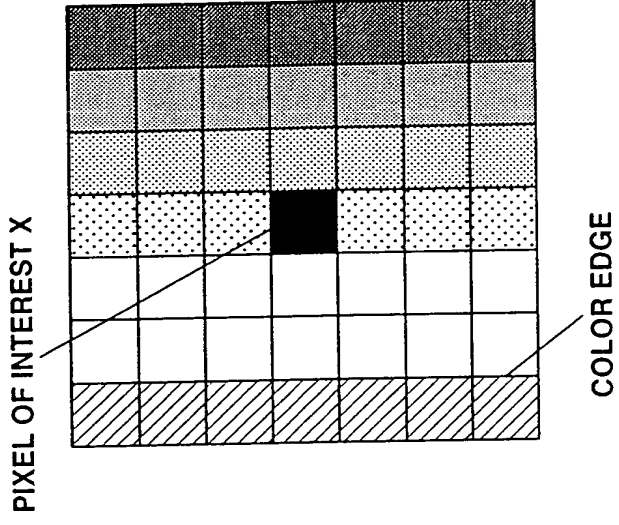
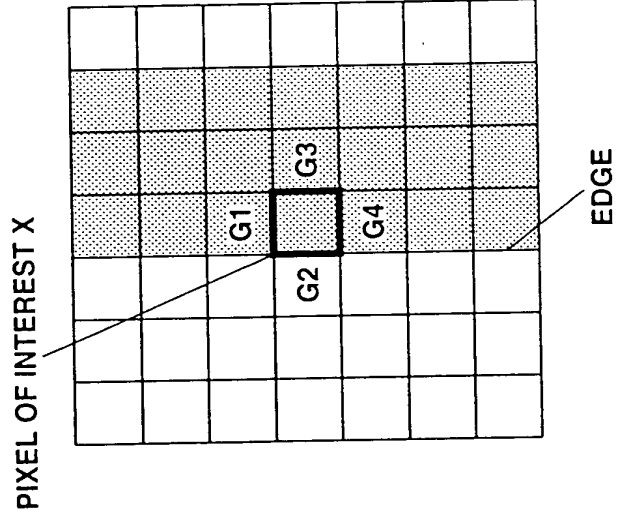
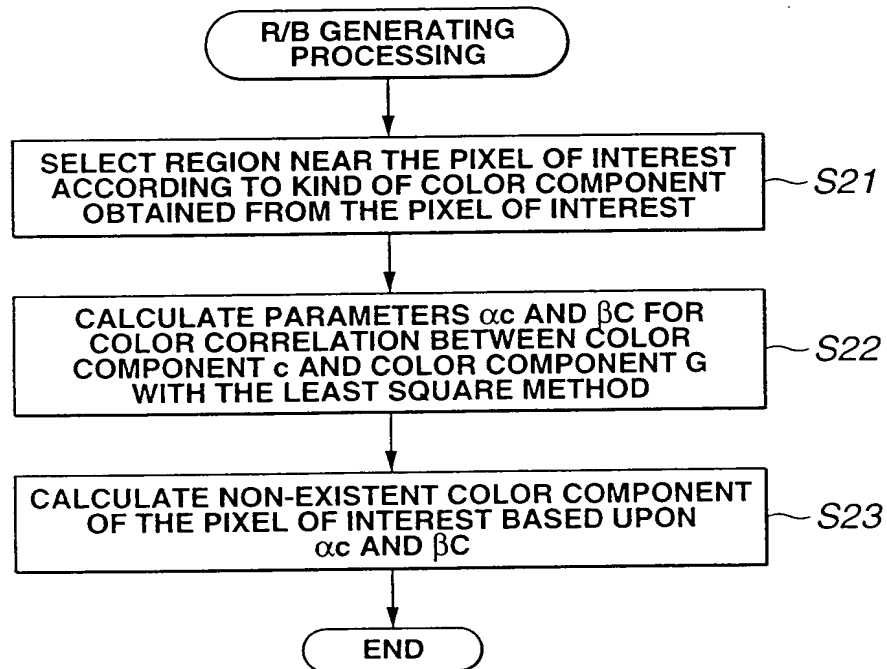


FIG.5A



**FIG.6**



# FIG.7A

R1/G1	G2	R3/G3
G4	B5/G5	G6
R7/G7	G8	R9/G9

R-G: Y: G1 G3 G7 G9  
Z: R1 R3 R7 R9

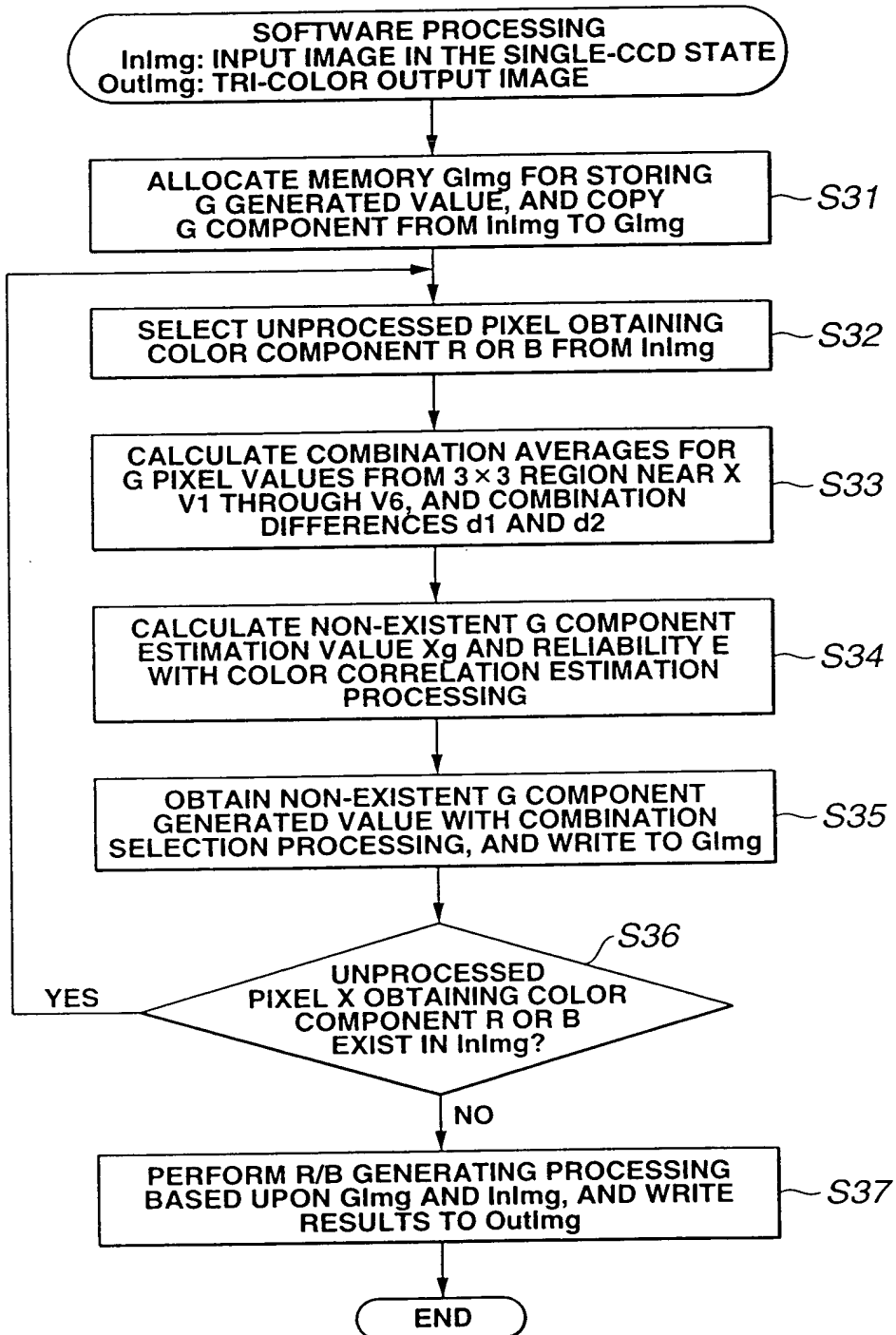
# FIG.7B

G1	R2/G2	G3	R4/G4
B5/G5	G6	B6/G7	G8
G9	R10/ G10	G11	R12/ G12
B13/ G13	G14	B15/ G15	G16

R-G: Y: G2 G4 G10 G12  
Z: R2 R4 R10 R12

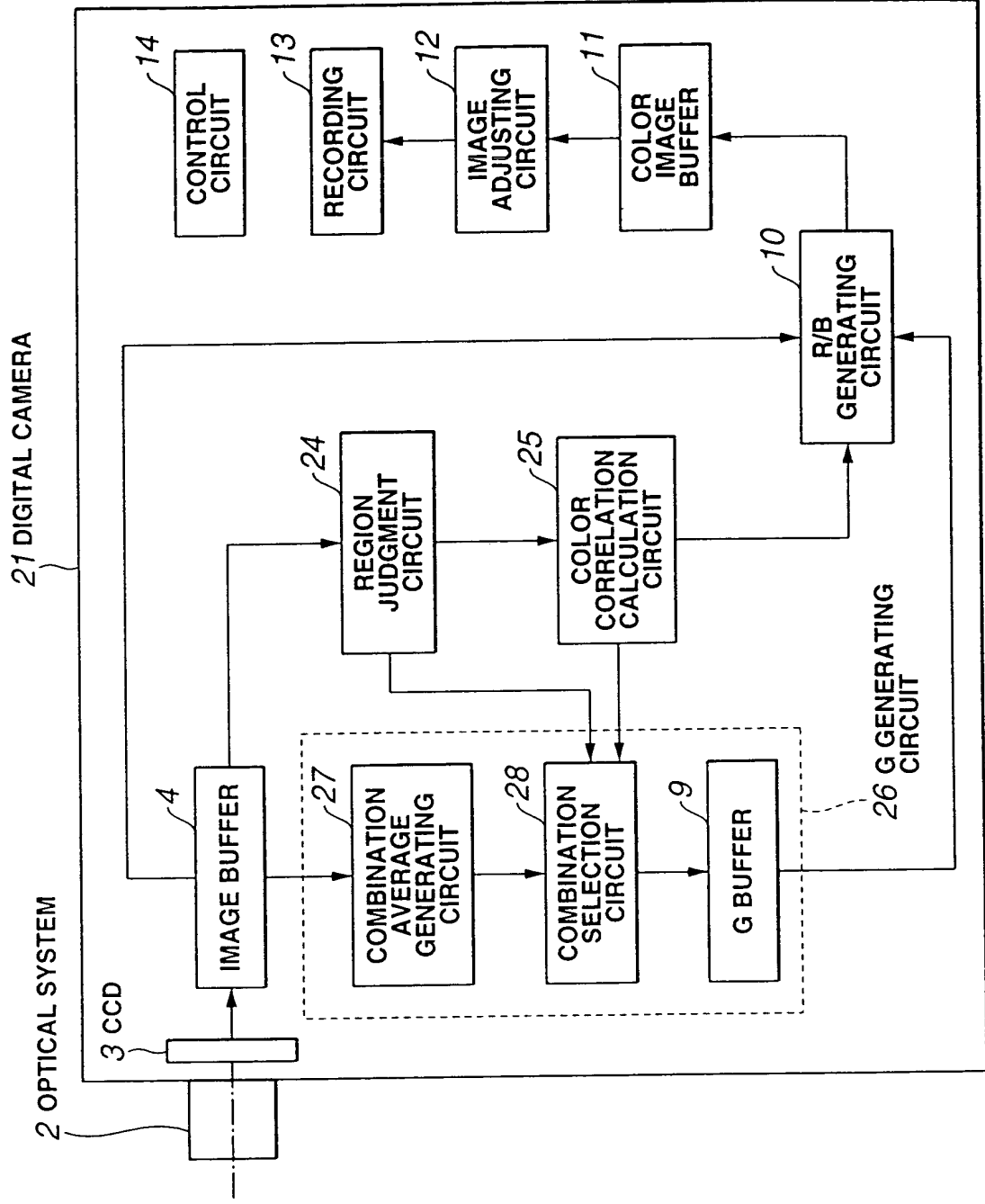
B-G: Y: G5 G7 G13 G15  
Z: B5 B7 B13 B15

# FIG.8

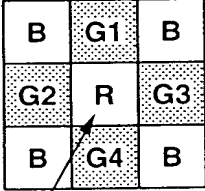




# FIG.9



# FIG.10



PIXEL OF INTEREST X

$$V1 = \frac{G1 + G4}{2}, d1 = |G1 - G4|$$

$$V2 = \frac{G2 + G3}{2}, d2 = |G2 - G3|$$

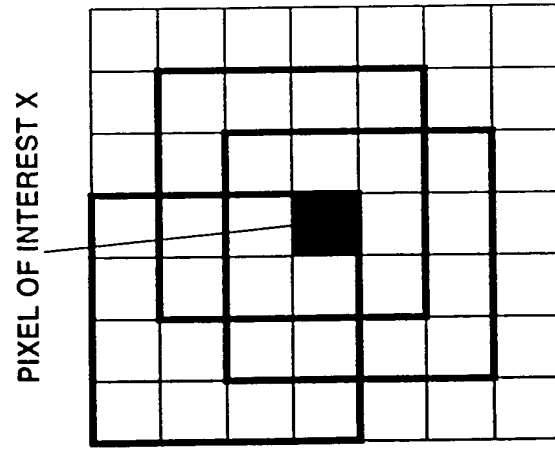
$$V3 = \frac{G1 + G2}{2}, d3 = |G1 - G2|$$

$$V4 = \frac{G3 + G4}{2}, d4 = |G3 - G4|$$

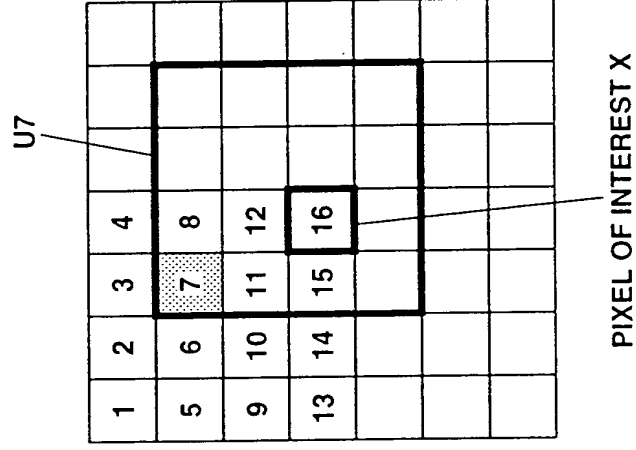
$$V5 = \frac{G1 + G3}{2}, d5 = |G1 - G3|$$

$$V6 = \frac{G2 + G4}{2}, d6 = |G2 - G4|$$

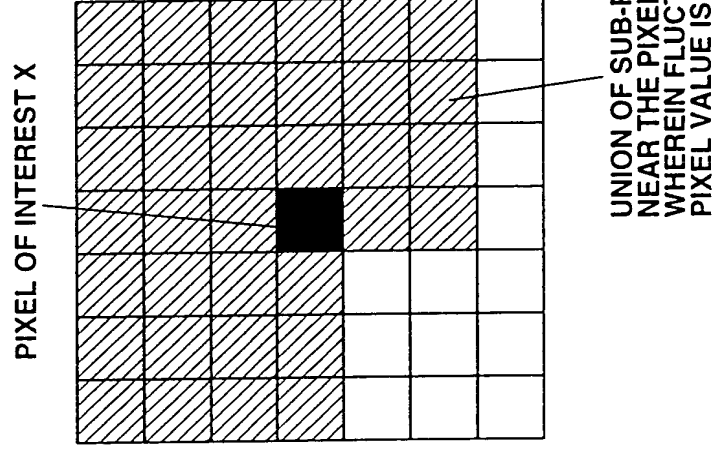
**FIG. 11A**



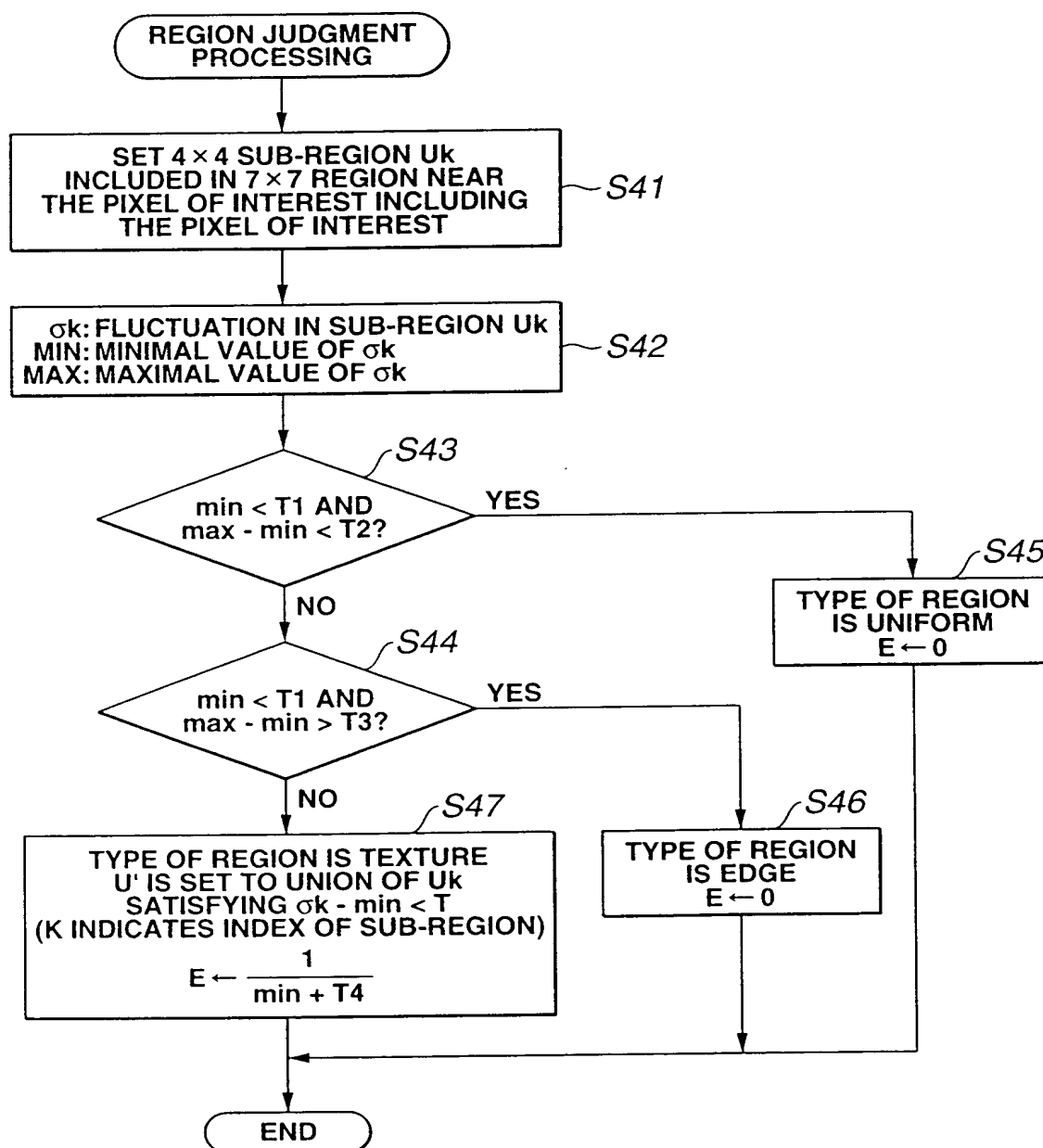
**FIG. 11B**



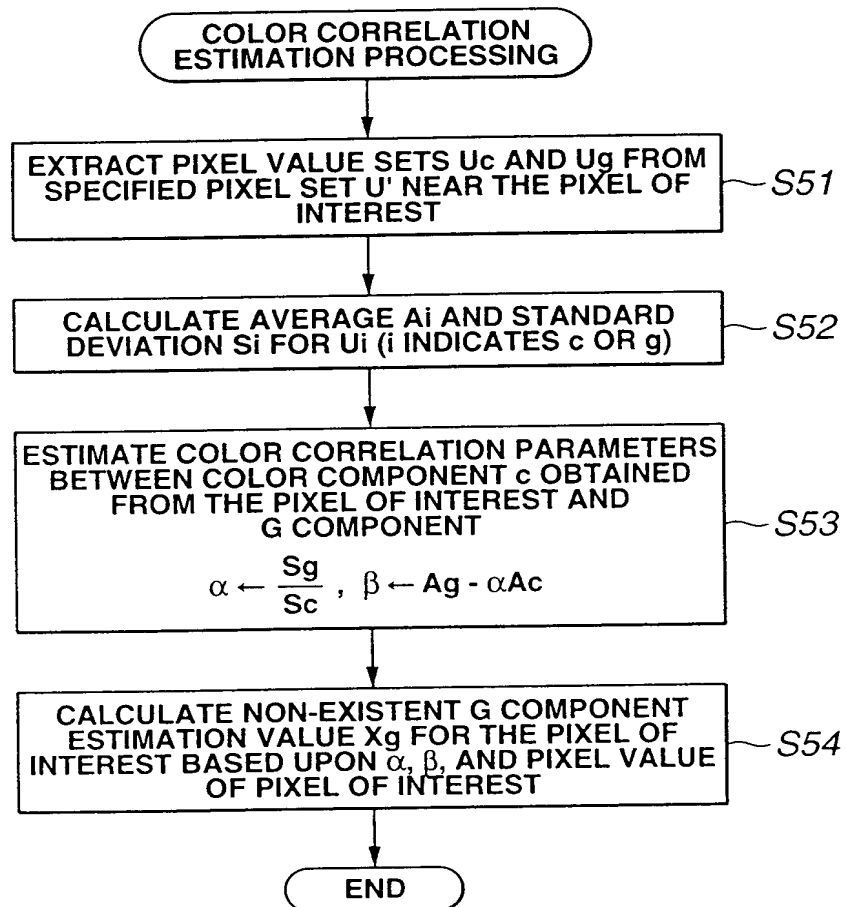
**FIG. 11C**



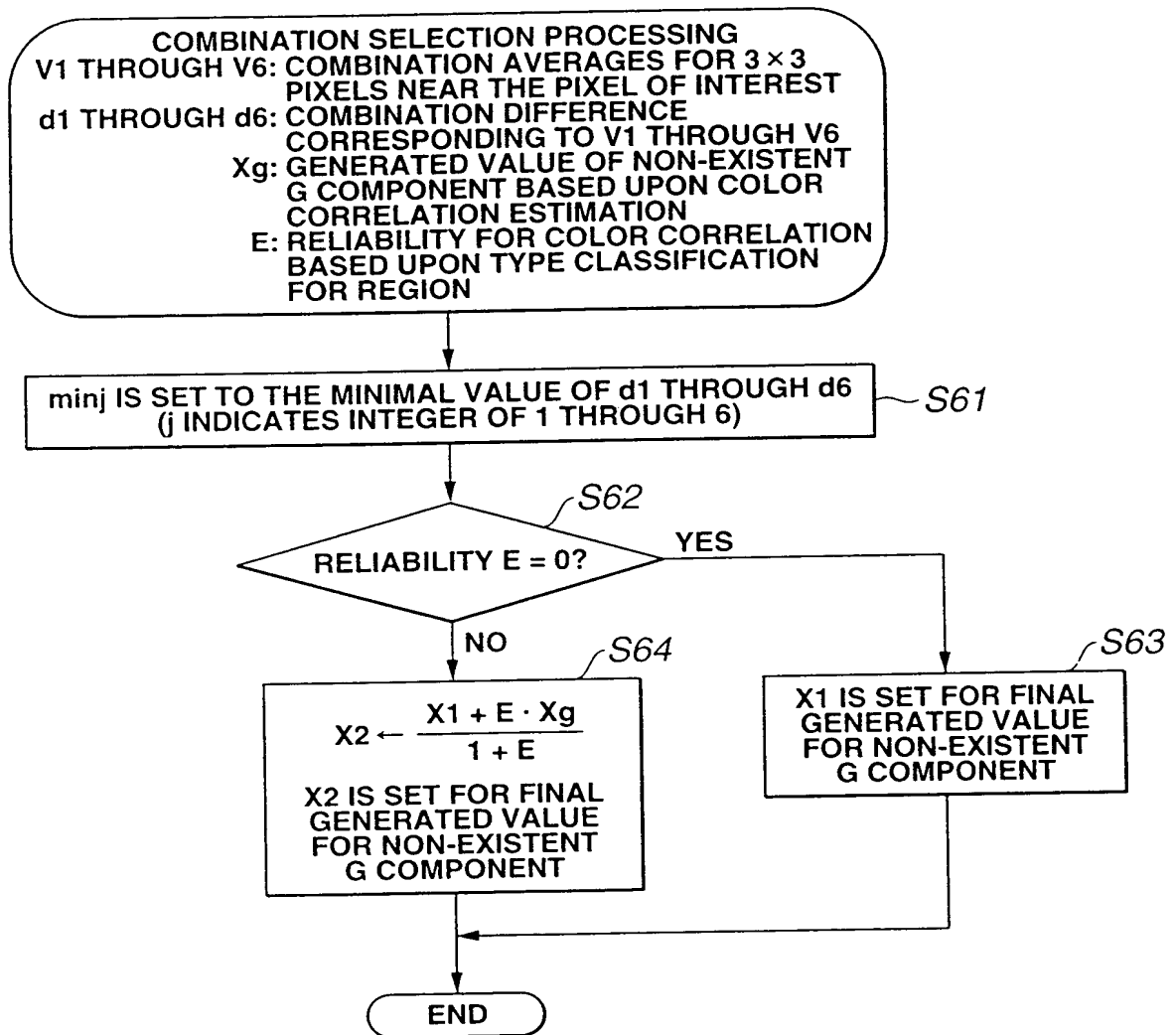
# FIG.12



**FIG.13**



# FIG.14



**FIG.15A**

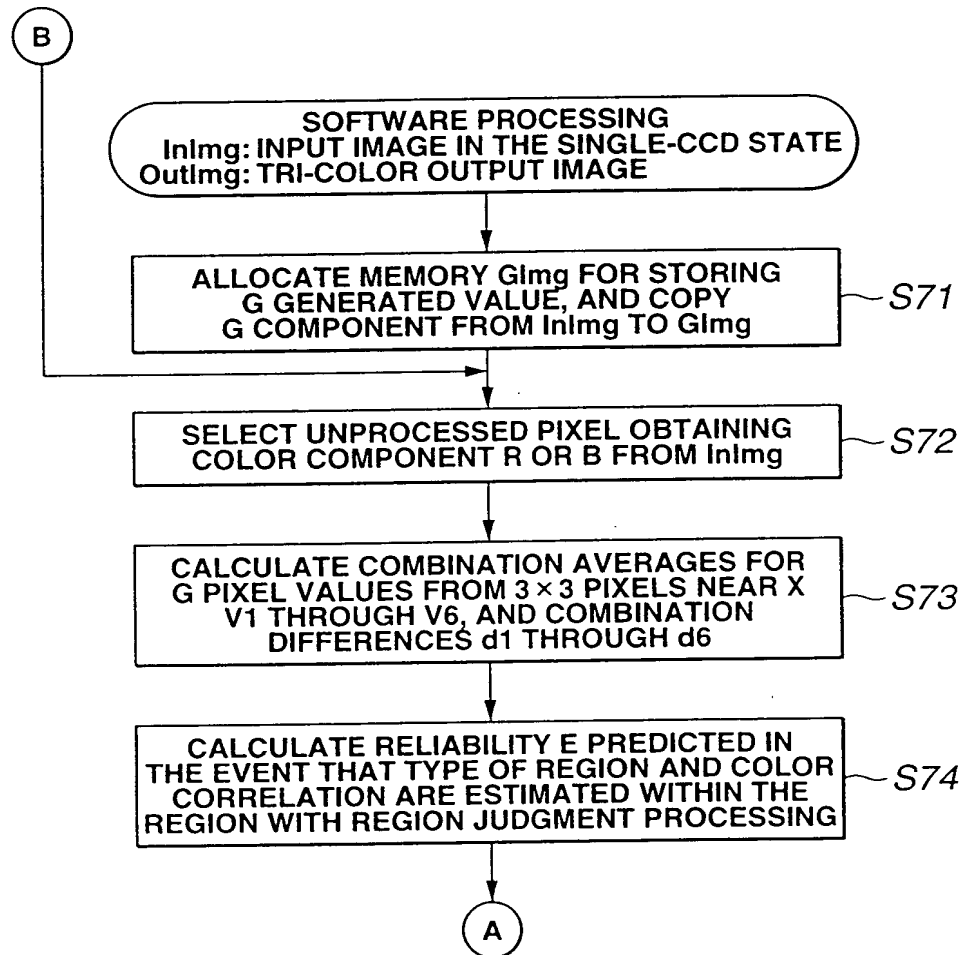
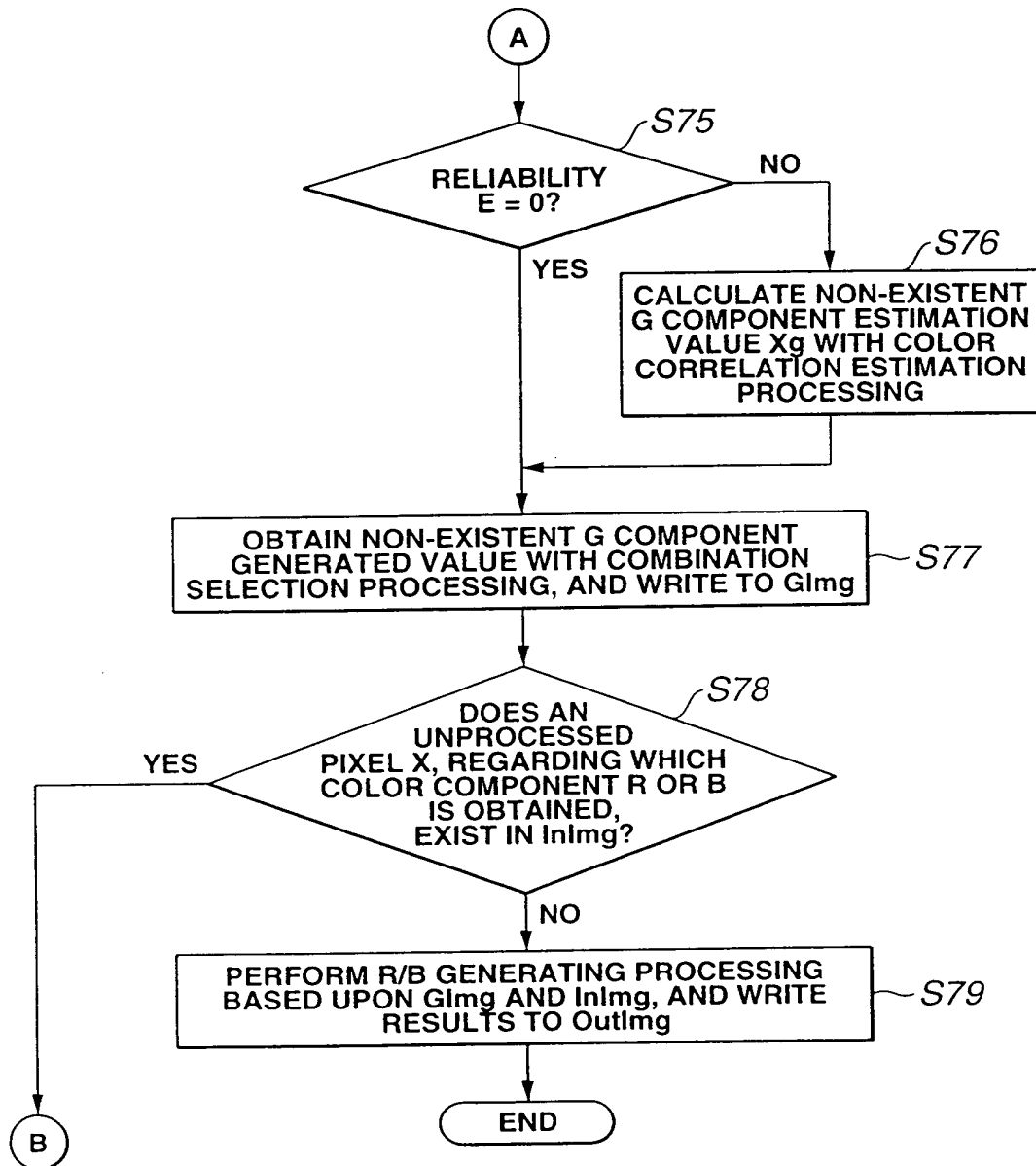


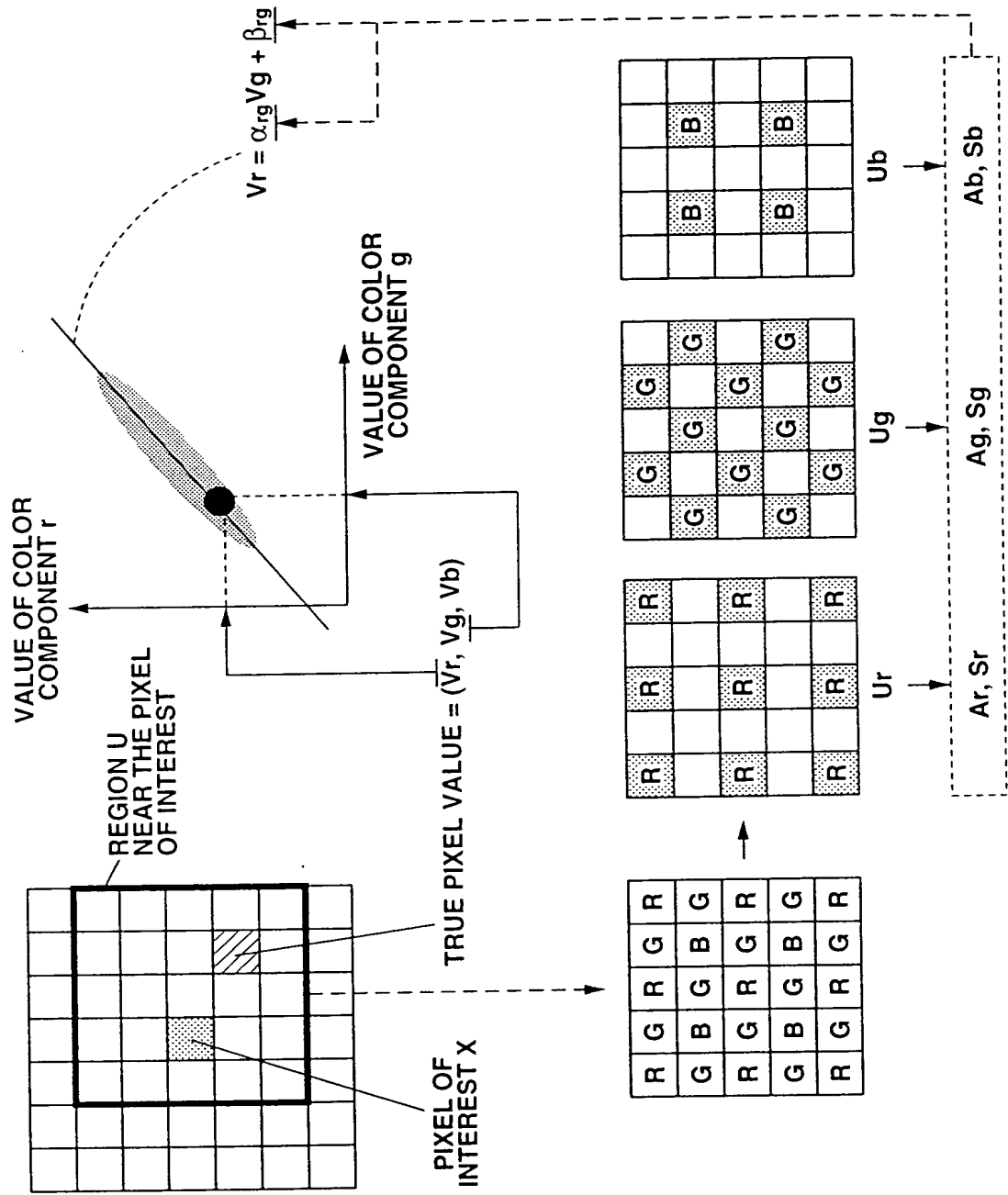
FIG.15B



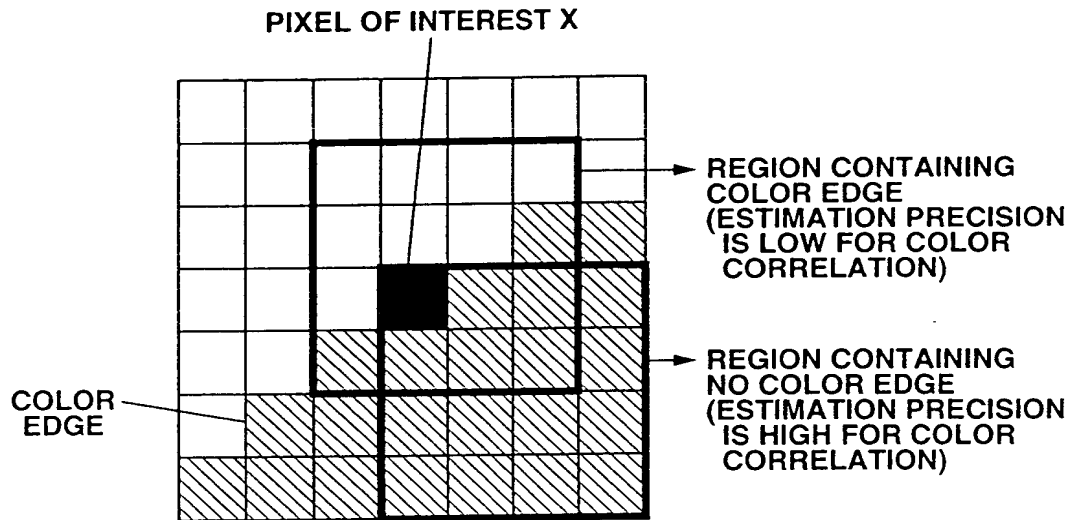




# FIG.17



# FIG.18



# FIG.19

